Profectis
Technischer Kundendienst
QUELLE.

Serviceunterlage

Produkt-Nr.:
924.777-6

Typ/Privileg-Nr.:
VTC-CD 1019

MINI-ANLAGE

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UTS-Nr.:          999          QUELLE
Best.Nr.:         9247776/01
Ger.Bez.:         UNIVERSUM MINI-ANLAGE

GKz:                G  GERAET
WGT:              651  DAT/DCC
KD-Sektor:          R  RUNDFUNK
BaumNr.:           00  KEIN DIAGNOSEBAUM VORHANDEN
Klassierung:      STK  STEREOKOMBINATION
IFW-FehlerGru.:   205  RDF.,VERST.,TB.,PHONO,CD,CB
Type/Privileg/Universum.Nr VTC-CD1019
Beschreibung                BGL.ART.744/339
VK-Preis: 199.00

Serviceart:             01  PROFECTIS
Garantie fuer Kunden    12 Monate
Sondervereinbarungen:    0  SIEHE SERVICEART

Garantiereparatur      0004063  PROFECTIS GMBH
Sondervereinbarungen:        0  SIEHE SERVICEART

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Katalog                                          Seite
  Erst  013 SONDERKATALOGE F/S 2001               0000
  Letzt 000 NOCH IM AKTUELLEN KATALOG             0000

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Geraete Info:
  BAUGLEICH MIT ART.744/339

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Technische Daten:

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Fehler:

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Nachdruck nicht gestattet
Änderungen vorbehalten

ALIGNMENT PROCEDURE

MODEL : K-8828AT
DATE : 2 MARCH 2001

1) TUNER PART
2) CASSETTE PART
3) CD PART

ALIGNMENT PROCEDURE FOR TUNER PART

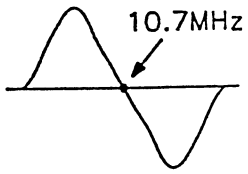
INSTRUMENTS AND TOOLS
1) MW/FM IF SWEEP GENERATOR
2) MW/FM STANDARD SIGNAL GENERATOR (WITH FM STEREO) AND ANTENNA LOOP
3) AC MILLIVOLTMETER (VTVM)
4) OSCILLOSCOPE
5) FREQUENCY COUNTER
6) NON-METALLIC ALIGNMENT TOOLS

IMPORTANT

1) CHECK THE POWER SOURCE VOLTAGE
2) THE INPUT SIGNAL SHOULD BE KEPT AS LOW AS POSSIBLE TO AVOID AGC AND AFC ACTION

FM SECTION

CONTROLS SETTING
1. BAND SELECTOR AT FM POSITION
2. DEVIATION OF FM STANDARD GENERATOR IS 22.5kHz, MODULATING FREQUENCY 1kHz

TYPE	INSTRUMENTS CONNECTION	STEP	FREQUENCY	DIAL SETTING	ADJUSTMENT
IF	FM IF SWEEP GENERATOR OUTPUT THROUGH A 100pF CAP. CONNECTS TO TP3; AND INPUT CONNECTS TO TP5	1	10.7MHz	90MHz	ADJUST T103 FOR MAX. CURVE FOR CENTRE OF 10.7MHz REPEAT ADJUST T103 AND T104 TO GET BEST CURVE. 
LOCAL OSC	FM STANDARD GEN. CONNECTS TO TP1; VTVM CONNECTS TO TP6 AND TP7.	2	108.25MHz	TUNING AT HIGH END	ADJUST PVC FM OSC FOR MAX OUTPUT
		3	87.35MHz	TUNING AT LOW END	ADJUST L103 FOR MAX OUTPUT
RF TRACKING	SAME AS ABOVE	4	90.0MHz	TUNING AT 90.0MHz	ADJUST L102 FOR MAXIMUM OUTPUT
		5	106.0MHz	TUNING AT 106.0MHz	ADJUST PVC FM RE FOR MAXIMUM OUTPUT
		6	REPEAT STEP 4 AND 5		

FM MPX SECTION

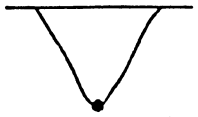
CONTROLS SETTING
1. BAND SELECTOR SET TO FM-STEREO POSITION

TYPE	INSTRUMENTS CONNECTION	STEP	FREQUENCY	DIAL SETTING	ADJUSTMENT
MPX	FREQUENCY COUNTER CONNECTS TO	1	KHZ ± 50Hz		KHz AND STEREO INDICATOR TO TURN ON ADJUST

MW SECTION

CONTROL SETTING
1. BAND SELECTOR IS SET TO MW POSITION
2. MODULATION IS 30% AT 400Hz FOR ALL FREQUENCIES

MW ALIGNMENT:

TYPE	INSTRUMENTS CONNECTION	STEP	FREQUENCY	DIAL SETTING	ADJUSTMENT
IF	MW IF SWEEP GEN. OUTPUT CONNECT TO THE LOOP ANTENNA; INPUT CONNECTS TO TP5	1	465kHz	AT 1600kHz	ADJUST T102 FOR 465kHz MAXIMUM OUTPUT 
LOCAL OSC	MW STANDARD GEN CONNECT TO LOOP ANTENNA,	2	1640kHz	TUNING AT HIGH END	ADJUST PVC AM OSC MAX OUTPUT
		3	515kHz	TUNING AT LOW END	ADJUST L105 FOR MAX OUTPUT
RF TRACKING		4	600kHz	TUNING AT 600KHz	ADJUSET L104 ON FERRITE BAR FOR MAX. OUTPUT
		5	1400kHz	TUNING AT 1400kHz	ADJUST PVC AM RF FOR MAXIMUM OUTPUT
		6	REPEAT STEP 4 AND 5		

ALIGNMENT PROCEDURE FOR CASSETTE PART

INSTRUMENTS AND TOOLS
1) AC MILLIVOLTMETER (VTVM)
2) OSCILLOSCOPE
3) FREQUENCY COUNTER
4) NON-METALLIC ALIGNMENT TOOLS.
5) TEAC TEST TAPE : MTT-111N FLUTTER &
MTT-113CN AZIMUTH.

CONTROLS SETTING
1) FUNCTION SELECTOR SET AT TAPE POSITION

TAPE SPEED

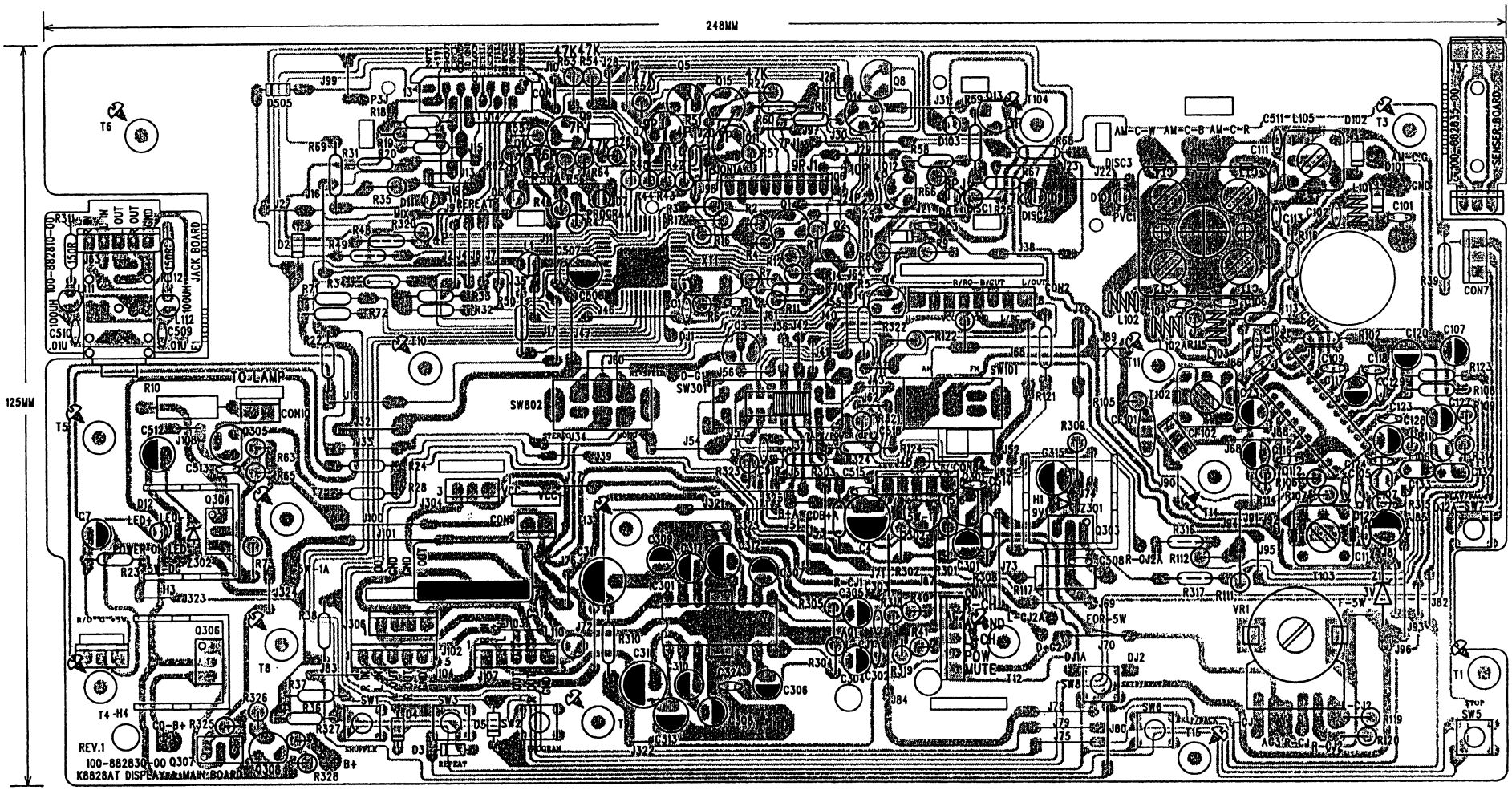
1) PLAYBACK THE STANDARD TESTING TAPE MTT-111N ON DECK-A
2) CONNECT A FREQUENCY COUNTER ACROSS THE OUTPUT OF THE SPEAKER
3) ADJUST THE HOLD OF MOTOR TO 3kHz +3-2%
4) REPEAT STEP 1 TO 3 ON DECK-B

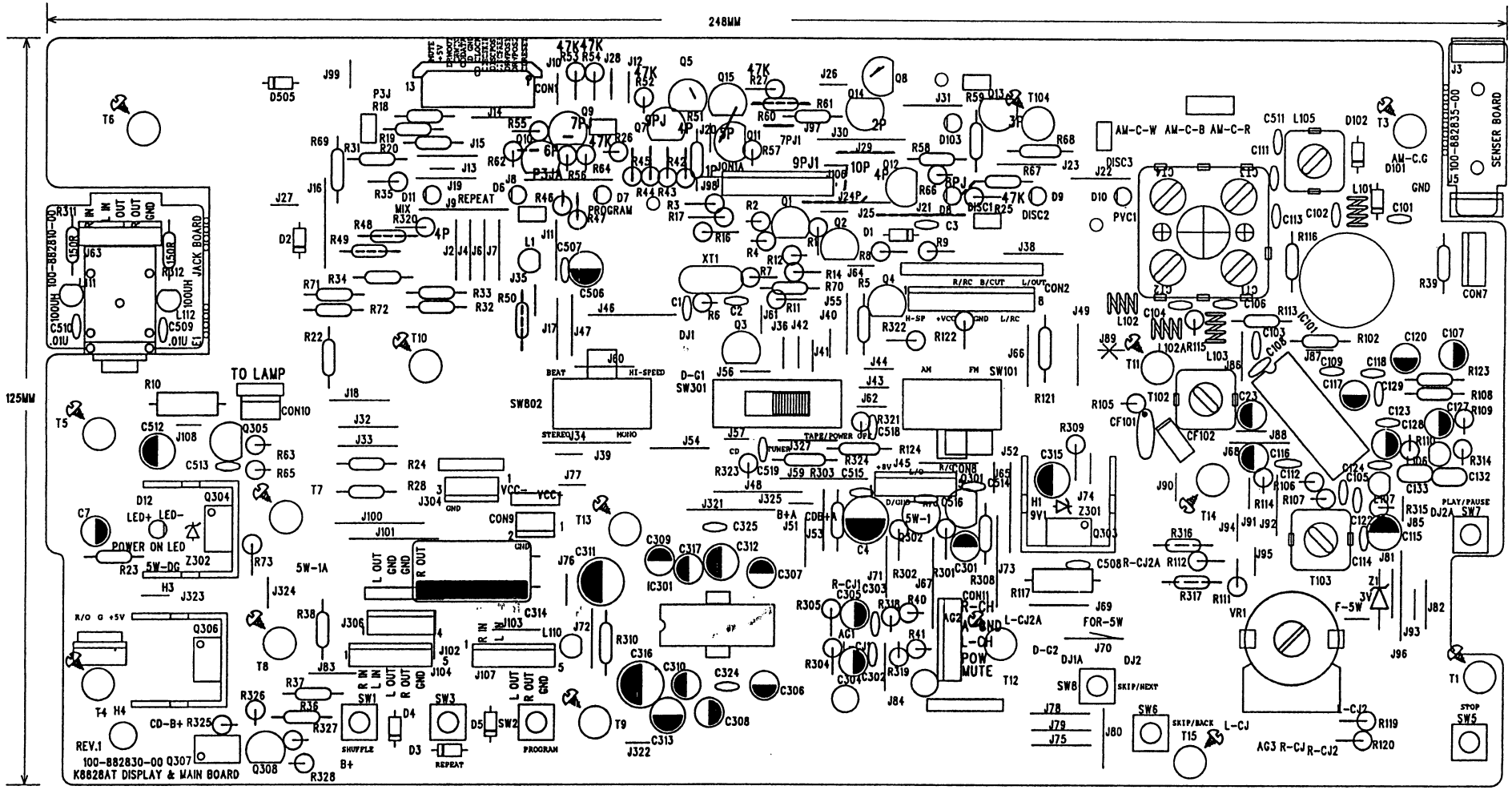
HEAD AZIMUTH

1) PLAYBACK THE STANDARD TESTING TAPE MTT-113CN ON DECK-A
2) CONNECT AN OSCILLOSCOPE/VTVM ACROSS THE OUTPUT OF THE SPEAKER
3) ADJUST THE SCREW AT THE PLAYBACK HEAD FOR MAXIMUM OUTPUT AND OBTAIN A BALANCE ON BOTH CHANNELS
4) REPEAT STEP 1 TO 3 ON DECK-B

AC RECORDING FREQUENCY

1) CONNECT A FREQUENCY COUNTER THROUGH A 1OOK OHM RESISTOR TO TP10
2) ADJUST T301 TO 60kHz AT BEAT CUT 1 POSITION


248MM
125MM
REV.1
100-882830-00 Q307
K8828AT DISPLAY & MAIN BOARD
100-882810-00
JACK BOARD
SENSOR BOARD
SW802
SW301
SW101
CON10
CON2
CON7
CON11
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
T1
T3
T4 -H4
T5
T6
T8
T12
T14
T15
T102
T104
VR1
SHUFFLE
REPEAT
PROGRAM
STOP
PLAY/PAUSE
TO LAMP
POWER LED
L-CH
R-CH
POW
MUTE
B+
GND
VCC
SENSOR BOARD


248MM
125MM
REV.1
100-882830-00 Q307
K8828AT DISPLAY & MAIN BOARD
POWER ON LED
TO LAMP
REPEAT
PROGRAM
SHUFFLE
SKIP/NEXT
SKIP/BACK
PLAY/PAUSE
STOP
SENSER BOARD
JACK BOARD
FOR-5W
AM-C-W AM-C-B AM-C-R
AM-C.G
GND
L-CJ
R-CJ
L-CJ2A
R-CJ2A
L-CJ2
R-CJ2
L-CH
R-CH
POW
MUTE
VCC-
VCC+
B+
B+A
CD-B+
CDB+A
AG3
AG2
D-G1
D-G2
DJ1
DJ1A
DJ2
DJ2A
SW1
SW2
SW3
SW5
SW6
SW7
SW8
SW101
SW301
SW802
CON1
CON2
CON7
CON8
CON9
CON10
CON11
IC301
IC101
XT1
VR1
PVC1
DISC1
DISC2
DISC3
5W-1
5W-1A
F-5W
Z301
Z302
Z1
CF101
CF102
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H1
H3
H4
3P
4P
5P
6P
7P
8P
9P
10P
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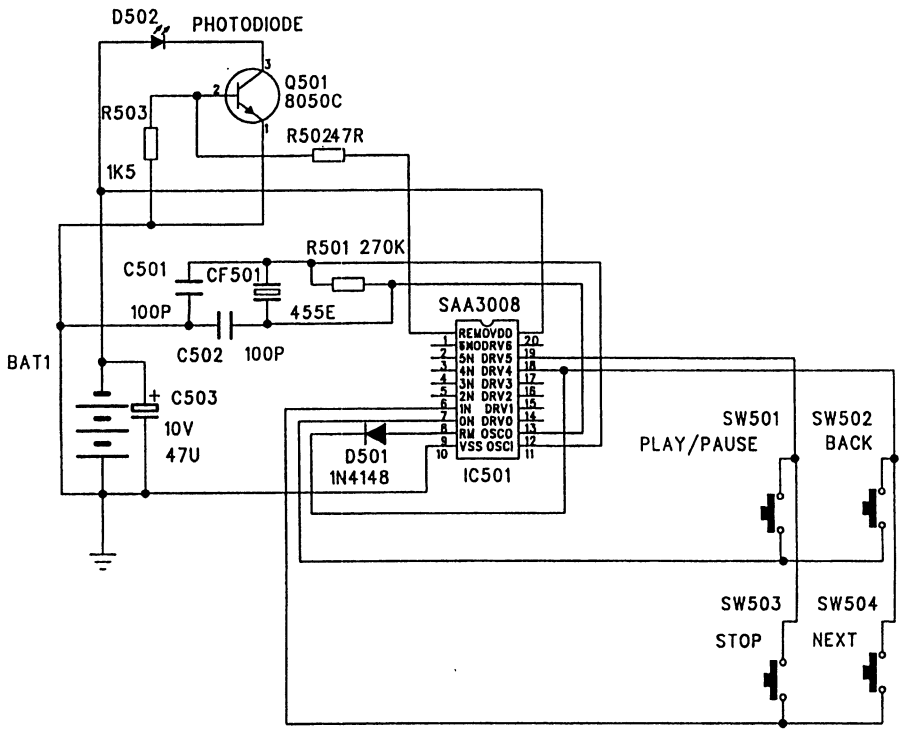
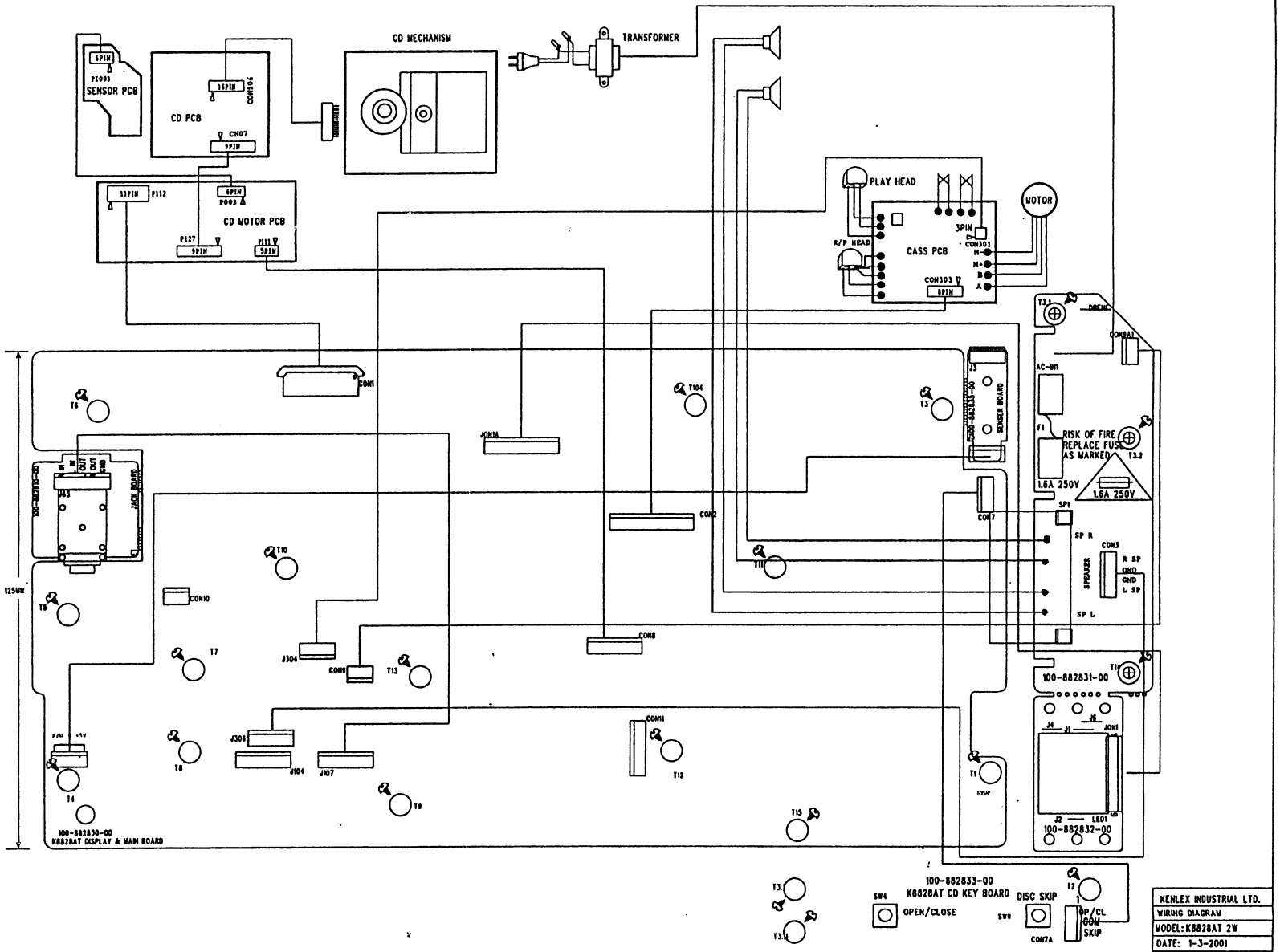
100UH
150R
.01U

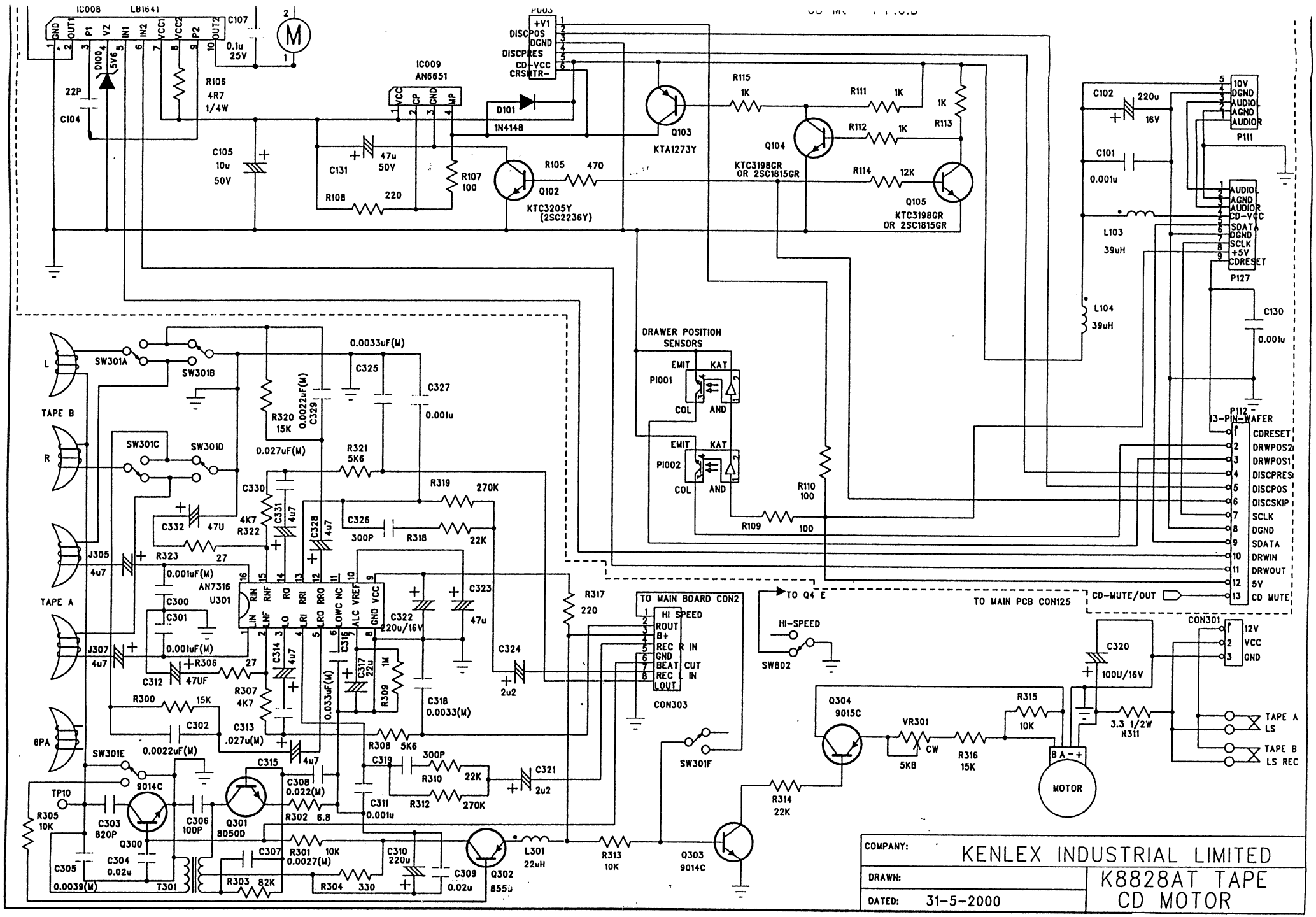
REVISION RECORD		
ECO NO.:	APPROVED	DATE:



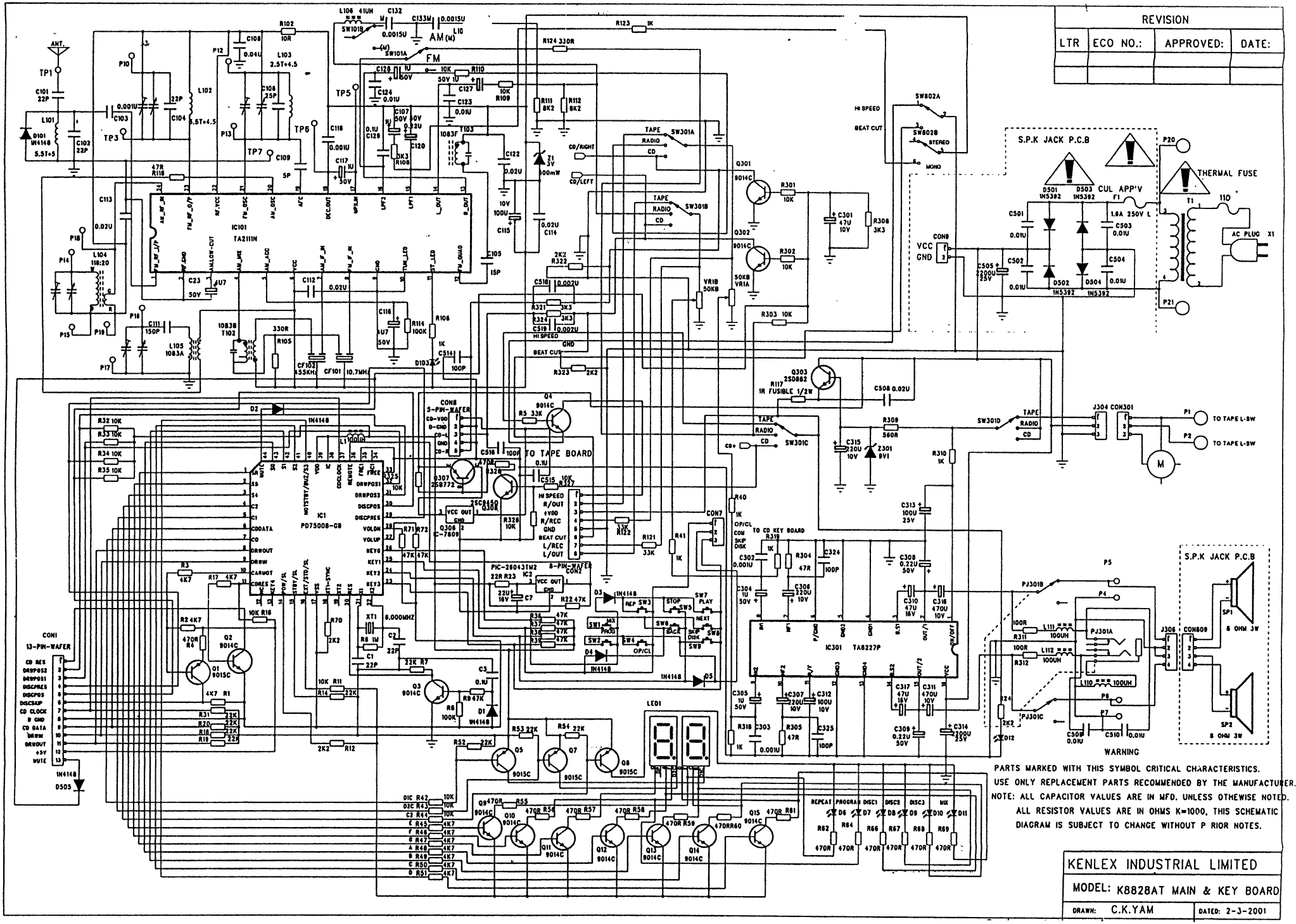
COMPANY: KENLEX INDUSTRIAL LTD		
DRAWN BY: C.K.YAM	DATE: 17-6-2000	MODEL NO.: K8828AT RH.SCH

K8828AT WIRING DIAGRAM





COMPANY:	KENLEX INDUSTRIAL LIMITED
DRAWN:	
DATED:	31-5-2000
	K8828AT TAPE CD MOTOR


REVISION
LTR | ECO NO.: | APPROVED: | DATE:
FM
AM (M)
TO TAPE BOARD
TO CD KEY BOARD
S.P.K JACK P.C.B
THERMAL FUSE
CUL APP'V
AC PLUG
WARNING
PARTS MARKED WITH THIS SYMBOL CRITICAL CHARACTERISTICS.
USE ONLY REPLACEMENT PARTS RECOMMENDED BY THE MANUFACTURER.
NOTE: ALL CAPACITOR VALUES ARE IN MFD. UNLESS OTHEWISE NOTED.
ALL RESISTOR VALUES ARE IN OHMS K=1000, THIS SCHEMATIC
DIAGRAM IS SUBJECT TO CHANGE WITHOUT P RIOR NOTES.
KENLEX INDUSTRIAL LIMITED
MODEL: K8828AT MAIN & KEY BOARD
DRAWN: C.K.YAM
DATED: 2-3-2001